Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	01/25/2017 12:58 PM
Tube Loaded Manually:	Yes	Cytometer Baseline:	07/29/2016 03:45 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124532	-1	1.93	124461	1.92
Blue	F	SSC	125000	124834	-1	2.58	125221	2.35
Blue	E	FITC	22946	22267	-3	2.41	985	10.03
Blue	D	PE	28770	28379	-2	2.01	1019	9.31
Blue	B	PerCP-Cy5-5	51099	49870	-3	3.29	1435	16.53
Blue	A	PE-Cy7	42312	41463	-3	4.95	645	34.92
Red	C	APC	52169	51269	-2	2.87	2968	9.22
Red	A	APC-Cy7	56705	55908	-2	2.81	1157	11.09
Violet	B	V450	14708	13881	-6	5.13	664	9.20
Violet	A	V500	58608	57197	-3	4.92	2529	6.82

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	18121	9.01	601	3	N/A	N/A	Pass
Blue	F	SSC	61805	1.61	533	15	N/A	N/A	Pass
Blue	E	FITC	113	36.63	537	6	0.0216	94	Pass
Blue	D	PE	224	28.24	534	8	0.1863	285	Pass
Blue	B	PerCP-Cy5-5	228	43.35	630	8	0.0105	86	Pass
Blue	A	PE-Cy7	72	115.31	679	8	0.0122	15	Pass
Red	C	APC	345	26.78	590	0	0.0216	61	Pass
Red	A	APC-Cy7	126	40.43	577	1	0.0058	1777	Pass
Violet	B	V450	81	40.43	467	8	0.0537	2058	Pass
Violet	A	V500	184	22.50	497	9	0.0181	901	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-30.81	-30.62	0.82
Blue	20.34	16.27 - 24.41	1.25	0.99 - 1.49	0.00	0.00	1.33
Red	16.10	13.27 - 19.91	N/A	N/A	31.07	31.29	1.15

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 9504

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments